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(54) STRUCTURE OF METALLIC COATING FILM AND FORMATION OF METALLIC COATING FILM

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a metallic coating film with an appearance of high brightness by laminating the metallic coating film lacking in hiding with a specific light permeability coefficient on a grey undercoat with a specific light, in the metallic coating film containing a bright material on the grey undercoat.

SOLUTION: In the structure of a metallic coating film consisting of the metallic coating film containing a bright material laminated on a grey undercoat, the light(L value) of the grey undercoat is set to the range of L value +40 or less of a desired metallic coating film. In addition, the metallic coating film contains 1% of bright material in terms of pigment volumetric density and has a color lacking in hiding showing a light permeability coefficient of 10-25% by measurement in the wavelength range of a desired metallic coating film color of wavelength 400-700nm at the thickness of a 5 μ m dry film which is adequate for forming a continuous coating film. The minimum dry film thickness of this metallic coating film is preferably set to the range of 5 μ m. Further, a color clear coating film is preferably laminated on the coating film.

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